



International Application No

	INTERNATIONAL SEARCH REPO	RT	PCT/EP 03	
A CLASSII	FIGATION OF SUBJECT MATTER		101/21 03/	7 00520
ÎPC 7	FICATION OF SUBJECT MATTER F17C13/04 F16K1/30			
	o International Patent Classification (IPC) or to both national classifica	tion and IPC		
	SEARCHED currentation searched (classification system followed by classification	n cymhole)		
IPC 7		ii ayiiluoloj		·
Documentat	ion searched other than minimum documentation to the extent that su	ich documents are incli	uded in the fields se	earched
Electronic di EPO-In	ata base consulted during the international search (name of data bas	e and, where practical	, search terms used	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages		Relevant to claim No.
X	EP 0 161 348 A (TEPSA BRIAN) 21 November 1985 (1985-11-21) abstract; figures			1-3,6-9, 17,19
Y A	page 7, line 32 -page 12, line 19			18 4,5,10
Y	DE 84 02 594 U (DITTBRENNER) 28 June 1984 (1984-06-28) page 4; figures			18
X	FR 1 116 274 A (PETITDIDIER ROGER 7 May 1956 (1956-05-07) the whole document	)		1-3,6,7
А	EP 1 154 179 A (OBEROESTERREICHIS FERNGAS A) 14 November 2001 (2001 the whole document			4,5,10
	<del></del> -	/		
χ Furti	her documents are listed in the continuation of box C.	X Patent family	members are listed	in annex.
'A' docume conster filing of the which citatio 'O' docume tater the Date of the	ant defining the general state of the art which is not dered to be of particular relevance document but published on or after the international state ant which may throw doubts on priority dalm(s) or is clied to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but	clted to understar invention  "X" document of partic cannot be conside involve an inventi "Y" document of partic cannot be conside document is comi ments, such comi in the art.  "8" document member	d not in conflict with ad the principle or the ular relevance; the cered novel or cannot ve step when the doular relevance; the cered to involve an involve and with one or mobined with one or mobined or of the same patent.	the application but application but a cory underlying the state of the considered to current is taken alone dalmed invention wentive step when the pre-other such docuus to a person skilled tamily
Name and	malling address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer	В	







International Application No PCT/EP 03/06526

		PCI/EP US	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages		110107431110 512
A	EP 0 233 775 A (EIDSMORE PAUL G) 26 August 1987 (1987-08-26) the whole document		4,5,10
X	US 5 570 729 A (MUTTER HEINZ) 5 November 1996 (1996-11-05) abstract; figures		11-13, 19,20
A	column 5, line 21 -column 9, line 54		14-16, 21-23
X	US 5 551 490 A (KOUNTZ KENNETH J ET AL) 3 September 1996 (1996-09-03) the whole document		11
X	US 5 653 269 A (MAGIN JAMES A ET AL). 5 August 1997 (1997-08-05) the whole document		19,20
		·	
		•	

Form PCT/ISA/210 (continuation of second sheet) (July 1992)





## INTERNATIONAL SEARCH REPORT

International application No. PCT/EP 03/06526

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)	_
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:  .	
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)	_
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	,
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  X  No protest accompanied the payment of additional search fees.	

International Application No. PCT/EP 03/06526

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-10,17,18

A valve for closing a container and for enabling the container to be filled, said valve comprising a housing with an inlet and outlet ports, a closing member and at least one valve member which in a first position allows fluid communication and in a second position prevents fluid communication wherein said valve member is brought into and maintained in said first position only if a static pressure difference across said valve member is below a pre-determinable first threshold AND wherein said valve member has force-generating means adapted for providing a balancing force to said valve member and for bringing said valve member into said first position when said filling condition is fulfilled AND wherein the valve member has an internal part comprised in said valve which can be operatively connected with an external part not comprised in said valve for bringing and maintaining said valve member into said first position AND wherein said internal part has. a first magnet or a magnetisable element providing a balancing force for bringing said valve member into said first position when said valve is brought into proximity with an external part having a second magnet.

- 1.1. Claim: 19

  A method for filling a container having a valve according to one of the claims 1 to 10 with a fluid from a fluid source, comprising the steps of connecting the valve to said fluid source and controlling the delivery pressure of said fluid at an inlet port of said valve such as to maintain the static pressure difference across a valve member of said valve below a predetermined or predeterminable first threshold.
- 2. Claims: 11-16,20-23

A system and a method for filling a container wherein the pressure of the fluid supplied to the container is maintained below a pre-determined or pre-determinable first threshold.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.





## INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No PCT/EP 03/06526

	t document	.	Publication		Patent family	Publication date
cited in s	search report		date		member(s)	date
EP 01	61348	Α	21-11-1985	CA	1220403 A1	14-04-1987
				AU	582351 B2	23-03-1989
				AU	3601184 A	21-11-1985
				EP	0161348 A2	21-11-1985
				JΡ	60245884 A	05-12-1985
				ŽΑ	8409668 A	28-08-1985
	 102594		28-06-1984		8402594 U1	28-06-1984
FR 11	16274	A	07-05-1956	NONE		
<b>EP 11</b>	54179	Α	14-11-2001	ΑT	7482000 A	15-05-2003
				CZ	20011402 A3	12-12-2001
				EP	1154179 A2	14-11-2001
				HR	20010286 A1	31-12-2001
				HU	0101726 A2	28-03-2002
				PL	347286 A1	05-11-2001
				SK	5732001 A3	06-11-2001
EP 02	233775	Α	26-08-1987	AU	6888587 A	20-08-1987
				BE	1000713 A4	21-03-1989
				CA	1294515 C	21-01-1992
				CN	87102179 A	02-09-1987
				DK	79787 A	19-08-1987
				EP	0233775 A2	26-08-1987
				FR	2600744 A1	31-12-1987
				GB	2186667 A ,B	19-08-1987
				IT	1215358 B	08-02-1990
				JP	62246663 A	27-10-1987
				NO	870619 A	19-08-1987
				ZA	8701168 A	07-08-1987
115 55	 570729		05-11-1996	AT	159803 T	15-11-1997
00 00	77 07 23	,,	00 11 1330	AU	677438 B2	24-04-1997
				AU	7764794 A	18-05-1995
				BR	9404359 A	04-07-1995
				CA	2135109 A1	09-05-1995
				DE	59404467 D1	04-12-1997
				EP		17-05-1995
				JP	0653585 A1	25-07-1995
					7186904 A	
				NZ 	264820 A	24-10-1997
US 55	551490	Α	03-09-1996	US	5488978 A	06-02-1996
				AU	2388995 A	29-11-1995
				W0	9530110 A1	09-11-1995
US 56	553269	Α	05-08-1997	US	5597020 A	28-01-1997
				ÜS	5259424 A	09-11-1993
				ÜS	5238030 A	24-08-1993
				AU	2299492 A	25-01-1993
				CA	2112458 A1	07-01-1993
				EP	0591456 A1	13-04-1994
				JP	6510011 T	10-11-1994
				MX	9301727 A1	29-07-1994
				WO MX	9300264 A1 9203706 A1	07-01-1993 01-04-1993

Form PCT/ISA/210 (patent family annex) (July 1992)